

Cont
Sub
E1
B1

4.1, which serves as a guide for the spring contact 7 guiding the contact into place within the housing 4. The housing 4 therefore includes a hole leading from the first entry 5 to the second entry 6 whose cross-section is restricted to the size of the aperture of the second entry 6. When an object, for example a battery, is pressed against the second face 3 of the body 1, and therefore against the branch 12 of the spring contacts 7, the branch 12 is depressed, the height 26 is reduced and the portion 22 is depressed into the housing 4. In one example, the maximum travel of the branch 12 is 1.5 mm. The object pressed against the second face 3 must exert a force lying in the range 0.5 newtons (N) to 1.5 N to depress the branch 12 into its housing 4.

IN THE CLAIMS:

Please enter the following amended claims:

B2
D1

1 (Amended) A spring contact for use in a connector, which spring contact is substantially U-shaped and has two branches and a base joining the two branches at one end, each branch being adapted to make electrical contact with a device, characterized in that the two branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape.

2. (Amended) A spring contact according to claim 1, characterized in that one branch and the base are coplanar.

3. (Amended) A spring contact according to claim 1, characterized in that the electrical contact of at least one branch is at the free end of said branch.

~~4. (Amended) A spring contact according to claim 1, characterized in that one branch is adapted to come into contact with a printed circuit and the other branch is adapted to come into contact with a battery.~~

D2
5. (Amended) An electrical connector having a first face and a second face opposite the first face, the connector including at least one housing for receiving a spring contact and opening onto both faces, said spring contact being substantially U-shaped and having two branches and a base joining the two branches at one end, each branch being adapted to make electrical contact with a device, characterized in that the two branches lie in two diverging planes and the intersection of said two planes is within the base of the U-shape;

sub C1
wherein the spring contact is positioned in the housing so that the plane containing the base of the U-shape is substantially parallel to the respective planes of the faces of the connector.

5
6. (Amended) A connector according to claim 5, further comprising a guide to guide the spring contact into position in the housing.

6
7. (Amended) A connector according to claim 5, further comprising a retainer for retaining the spring contact in the housing.

Sub 2 ~~8~~ (Amended) A connector according to claim 5, characterized in that one branch of the spring contact projects from the housing.

B2 9. (Amended) A connector according to claim 5, including a plurality of housings each receiving a respective spring contact according to any of claims 1 to 4, characterized in that the spring contacts in two adjacent housings are positioned so that they are substantially parallel but the opposite way round to each other, one branch of one contact being adjacent the other branch of the adjacent contact.

~~9~~ ~~10~~ (Amended) A connector according to claim ~~5~~⁴, characterized in that one face of the connector has a pick-up area substantially at the center of said face.

~~10~~ ~~11~~ (Amended) A connector according to claim ~~5~~⁴, having lateral faces joining the first and second faces, characterized in that the lateral faces include at least one recess and a free end of one branch of the spring contact projects into said recess.
